

Erfolgreich mit Mathematik HAK I

Zu Abschnitt „2 Terme und Variablen“, Seite 82



Technologieeinsatz: GeoGebra

Multiplikation von Bruchtermen

Multipliziere $\frac{-12a^2}{a+2b} \cdot \frac{a^2-4b^2}{8a^3}$.

CAS:

Man gibt den Term ein und drückt Enter:

The image shows the CAS (Computer Algebra System) interface of GeoGebra. At the top is a toolbar with icons for equals, approximate, check, exponentiation (15 over 3*5), parentheses, a fraction template (7 over a square), multiplication (x=), approximation (x≈), derivative (f'), and integral (∫). Below the toolbar, the input field shows the expression $\frac{-12 \cdot a^2}{a + 2 \cdot b} \cdot \frac{a^2 - 4 \cdot b^2}{8 \cdot a^3}$. To the right of the input field is a button with a list icon and 'x='. Below the input field, the result is displayed: $\rightarrow \frac{-3a + 6b}{2a}$. The interface has a light gray background with a white input area.